

ANSWER 10 OF 10 BIOTECHDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 91-11280 BIOTECHDS
TI New **bispecific** hybrid monoclonal antibody;
human **cancer** cell e.g. human transferrin receptor and
cytostatic **prodrug**-activating **enzyme** e.g.
urokinase or beta-glucuronidase **bispecific** antibody
production from tetradoma
PA Takeda-Chem.
PI WO 9109134 27 Jun 1991
AI WO 90-JP1631 14 Dec 1990
PRAI JP 90-301608 6 Nov 1990; JP 89-326545 15 Dec 1989
DT Patent
LA English
OS WPI: 91-208160 [28]
AB The following are new: a **bispecific** antibody specific for
a human **cancer** cell (e.g. against human transferrin
receptor) and a **prodrug**-activating **enzyme**, e.g.
urokinase (EC-3.4.21.31) or beta-glucuronidase (EC-3.2.1.31) (which
may convert an inactive glucuronidated cytostatic drug into an
active compound, e.g. adriamycin (doxorubicin), cisplatin,
melphalan, methotrexate, mitomycin-C, vincristine, puromycin,
phenylenediamine mustard, ansamitocin or TAN-1120); a polydoma
producing the antibody; a tetradoma which is the fusion product of
hybridoma 22C6 (producing an anti-human **cancer** antibody)
and hybridoma UK-1-6 (producing an anti-urokinase antibody),
producing the **bispecific** antibody; and a protein complex
comprising the **bispecific** antibody and a coupled
prodrug-activating **enzyme**. Mouse tetradoma
UTF20-7 (FERM BP-3156) is specifically claimed. The
bispecific antibody may be produced in vitro in liquid
culture medium, or in vivo in ascites fluid. The
bispecific antibody, **prodrug** and **enzyme**
may be administered to **cancer** patients to produce
selective cytostatic activity on **cancer** cells, regardless
of their diversity. (56pp)

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(FILE 'HOME' ENTERED AT 08:36:56 ON 24 FEB 1998)

INDEX 'AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOSIS,
BIOTECHABS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN,
CJACS, CJELSEVIER, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
DISSABS, DRUGB, DRUGLAUNCH, DRUGNL, DRUGU, EMBAL, EMBASE, ...'
ENTERED AT 08:37:40 ON 24 FEB 1998

SEA BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME

1 FILE AIDSLINE
2 FILE BIOBUSINESS
13 FILE BIOSIS
18 FILE BIOTECHABS
18 FILE BIOTECHDS
29 FILE CANCERLIT
11 FILE CAPLUS
1 FILE CEABA
1 FILE CEN
17 FILE CJACS
2 FILE DDFU
4 FILE DISSABS

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2   FILE DRUGU
30  FILE EMBASE
1   FILE IFIPAT
2   FILE JICST-EPLUS
2   FILE LIFESCI
24  FILE MEDLINE
2   FILE PROMT
17  FILE SCISEARCH
6   FILE TOXLINE
4   FILE TOXLIT
144 FILE USPATFULL
5   FILE WPIDS
5   FILE WPINDEX
L1  QUE BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME
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SEA L1 AND PREDRUG AND (THERAP? OR TREAT?)
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L2  QUE L1 AND PREDRUG AND (THERAP? OR TREAT?)
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SEA L1 AND (THERAP? OR TREAT?)
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1   FILE AIDSLINE
7   FILE BIOSIS
14  FILE BIOTECHABS
14  FILE BIOTECHDS
22  FILE CANCERLIT
5   FILE CAPLUS
1   FILE CEN
15  FILE CJACS
22  FILE EMBASE
1   FILE IFIPAT
1   FILE LIFESCI
18  FILE MEDLINE
2   FILE PROMT
10  FILE SCISEARCH
6   FILE TOXLINE
2   FILE TOXLIT
140 FILE USPATFULL
4   FILE WPIDS
4   FILE WPINDEX
L3  QUE L1 AND (THERAP? OR TREAT?)
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SEA L3 AND PRODRUG
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1.  FILE BIOSIS
3   FILE BIOTECHABS
3   FILE BIOTECHDS
1   FILE CANCERLIT
3   FILE CAPLUS
2   FILE CJACS
4   FILE EMBASE
1   FILE MEDLINE
1   FILE PROMT
3   FILE SCISEARCH
1   FILE TOXLINE
2   FILE TOXLIT
9   FILE USPATFULL
1   FILE WPIDS
1   FILE WPINDEX
L4  QUE L3 AND PRODRUG
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FILE 'USPATFULL, EMBASE, BIOTECHDS, CAPLUS, SCISEARCH, CJACS,
TOXLIT, BIOSIS, CANCERLIT, MEDLINE, PROMT, TOXLINE, WPIDS' ENTERED
AT 08:56:53 ON 24 FEB 1998

L5	32 S L3 AND PRODRUG
L6	24 DUP REM L5 (8 DUPLICATES REMOVED)
L7	12 S L5 AND ENZYME (25W) BISPECIFIC
L8	10 DUP REM L7 (2 DUPLICATES REMOVED)